

1600

RAW SEQUENCE LISTING DATE: 05/19/2003 PATENT APPLICATION: US/09/646,651B TIME: 11:06:22

Input Set : A:\206579.seq.ST25.txt
Output Set: N:\CRF4\05192003\I646651B.raw

```
3 <110> APPLICAUT: Kiesewetter, Stefan
        Euhn, Erkehard
        Koch-Peister, Brigitte
        Brunner, Ferwig
- (120> TITLE OF INVENTION: METAL-CONTAINING RIBONUCLECTIDE POLYPEPTIDES
10 (130) FILE REFERENCE: 206579
1. <140> CURRENT APPLICATION NUMBER: 09/646,651B
1 x < 141 > CURRENT FILLING DATE: 2000-09-13
1 110 PELOR APPLICATION NUMBER: FCT/EP98/07722
16 *1515 PEICE FILING DATE: 1998-11-30
1/ (1800 PELOE APPLICATION NUMBER: DE 198 11 047.2
1 + 11:15 PELGE FILING DATE: 1998-03-13
21 - 1600 NUMBER OF SEQ ID NOS: 4
Hard 1900 (OFTWARE: Patentin version 5.0
05 43105 SED ID NO: 1
106 (211) LENGTH: 91
I -- CONTROL TYPE: PET
                                                      ENTERED
LA FOLDS OF SANDSM: Unknown
  -i.iid> FEATURE:
:1 % % 1> NAME, HEY: misc feature
\mathcal{L} -4.32> LCCATION: ()..()
. v - 1.23 OTHER INFORMATION: Angiotropin-related protein
se 3400> EEQUENCE: 1
F- Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
10
41 Tyr Ser Wal Arg Leu Gly His Tyr Asp Thr Leu Ile Lys Arg Glu Leu
                                   25
              21)
   bys Tyr Leu Lie Thr Ly: Glu Leu Pro Asn Thr Leu Lys Asn Thr Lys
          -5
                              40
                                                  45
4) A.r Clr. Cly Thr Ile Asp Lys Ilc Phe Tyr Asn Leu Asp Ala Asn Gln
                          5.5
5 Aug 61t Glr. Val Ser Phe Lys Glu Phe Val Val Leu Val Thr Asp Val
                      70
51 Let Ile The Ala His Asp Ash Ile His Lys Glu
50 €10> FEQ ID NO: ..
5' -::11> !ENGTH: 107
64 CHI22 TYPE: RNA
5 + <2:13> CRGANISM: Actificial
61 <220: FEATURE:
6. <2238 OTHER INFORMATION: Synthetic
6 - <220 > FEATURE:
66 <2215 NAME/EFY: misc feature
```

DATE: 05/19/2003

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/646,651B TIME: 15:06:22

Input Set : A:\206579.seq.ST25.txt

Output Set: N:\CRF4\05192003\I646651B.raw

- 67 <2221 LOCATION: (8)..(8)
- 6° <2.3 OIHUE INFORMATION: N is nucleotide A, C, U, or 3
- 70 (2.) FFATURE:
- 71 02.1 MAME/MEY: mast feature
- 7, 300.2 LeCATION: (4)...(9)
- $I \in \mathbb{R}\mathbb{R}^{2}$ (THEF INFOFMATION: N is nucleotide A, C, U, or 3
- 7 AD TO BEATURE:
- 76 This WMERKET: mist feature
- / 1 Ch. . 10 CATION: (.4) ... (10)
- 7- KERT THER INFORMATION: N is nucleotide A, C, U, or 3
- BOTHOL FOR PEATURE:
- 31 HR & NAME/FEW: mass feature
- 2. Gh. LeCATION: (11)..(11)
- An Aller CHEF INFORMATION: M is nucleotide A, C, U, or G
- EG ON: FRATURE:
- Forest 1 NAME/EET: m.sc_feature
- $F = \{1, \dots, n\} \in \mathbb{N}^{2} \setminus \{0, \dots, n\} \subseteq \mathbb{N}^{2}$
- for the second of the second o
- J. I. FEATULE:
- Mountain Walle, FEM: mound frature
- 3. U.S. D. MT169: (14) ...(14)
- From the CLHEF INFOFMATION: N is nucleotide A, C, U, or G and may or may not be present
- 90 KM. FFATVEE: 90 KM. I NVME, MEV: maga_feature
- 9 < < 1... = 1 (ANI) (1) ... (20)
- 1 O H. . A PEAULE:
- 1 d dalle NAME FEY: m.sc feature
- $1 \le \{1, \dots, 1\} \in \mathbb{N}(0, \mathbb{N}; \mathbb{N}; \mathbb{N}; \mathbb{N}; \mathbb{N}; \mathbb{N})$
- 105 d. de CTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 199 du 200 PRATURE:
- 106 d Jil MAME, KEY: misc lesture
- 10% COUNTY OF HER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 140 block FRATURE:
- 111 d. H MME/FFY: rusc testure
- 112 (1.1.) LOCATION: (13)...15)
- 113 d. . d OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 1:5 0.00 FFATURE:
- 116 -0.20 NAME/FEY: misc resture
- 117 LH : 10CATION: (H4)..(U4)
- 118 -C. 11 -C. OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 100 COURTERING
- 131 (2.33) MAME, KFY: rusc :eature
- $1.22 \pm 0.20 \pm 100 \text{CM} \text{ION:} 250...(25)$
- 1.55 *T.E.S. OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 125 HODDE FLASURE:
- 126 < 21. NAME, KEY: misc_feature
- 127 < .22 LOCATION: 28, .. (26)

RAW SEQUENCE LISTING

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DATE: 05/19/2003

Input Set : A:\206579.seq.ST25.txt

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- 129 < 223 OTHER INFOFMATION: N is nucleotide A, C, U, or G
- 130 K.TZWH FEATURE:
- 1 1 1021 MAME HEY: rist feature
- 1 % <. 0. LOCATION: (19) .. (29)
- 1 % K. 35 OTHER INFORMATION: N is nucleotide A, C, U, or G
- 1 H. K. IN . PHATTER:
- 1.6 d.dl + NAME REY: ross feature
- 1 % state & DOCATION: (0)...(30)
- 1 A PLAN FOR HER INFORMATION: N is nucleated A, C, U, or G
- 140 K.D PEATTE:
- 141 C.: 1 MAME REY: n. sc feature
- 148 (... + 150CATION: (-4)...(34)
- 14% (Later GHER INFOFMATION: N is nucleotide A, C, U, or G
- 145 K. DER FRATTER:
- 146 Kull NAME/KEY: risc_feature
- 147 kmin 160ATION: (50...35)
- 13 Color THER INFORMATION: N is nucleotide A, C, U, or 3
- 110 WILL FEATURE:
- 191 d. ... Mamme FEY: misc feature
- 1' 1 ... 1.0 ATION: ... 6
- 1 \circ 1.25 \circ THE: INFIMATION: N is nucleotide A, C, U, or G
- 165 HOUSE PEATURE:
- 150 th Mame (MEN: risc feature
- 1:7 din | hecation: (37)...(37)
- THER INFORMATION: N is nucleotide A, C, U, or G
- 160 CLTO FEATURE:
- 161 KL210 NAME, REY: music feature
- 160 K. .. D. DECEMBERN: 4280... 38
- 10 € CL. C OTHER INFORMATION: N is nucleotide A, C, U, or G
- 16% GLICH FEATURE:
- 166 C. D. MAME/KEY: musc feature
- 167 Kills DiCATION: 1890.. 397 168 kills (THEE INFOFMATION: N is nucleotide A, C, U, or G
- 170 CARRES PEATURE:
- 1 1 4... D NAME MEY: misc feature
- 172 s... > ICCATION: 45 ... 45
- 17% s.r. to other information: N is nucleotide A, C, U, or G and may or may not be present
- 100 st. OF FEATURE:
- 1 % < 110 MAME MEY: make feature
- 108 K. Labor THER INFORMATION: N is nucleotide A, C, U, or G
- 100 SOME PEATURE:
- 1-1 K. 200 MAME FEY: nisc feature
- 1%2 KIRNO DOCATION: (54)...551
- 185 < 2 > OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 155 K. BOL FRATURE:
- 1.6 KL2D: MAME, KEY: n.sc_feature
- 1.7 < 215 LCCATION: (56).. 56)
- 168 < 23> OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present

RAW SEQUENCE LISTING

DATE: 05/19/2003 FIME: 11:06:22 PATENT APPLICATION: US/09/646,651B

Input Set: A:\206579.seq.ST25.txt

Putput Set: N:\CRF4\05192003\I646651B.raw

190 < 220 - FEATURE:

•

- 1)1 < ... 1 NAME 'MEY: misc feature
- 192 G. 3 · LOCATION: $(57)^{-1}$. $(57)^{-1}$
- 130 C. 4 OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 135 St. FEATURE:
- 196 C. 1 MAIME FEY: misc feature
- 130 G.L. 10 ANION: 65 80. 58
- $1 \leftrightarrow 0.1.8 \leftrightarrow 0.04$ HER INFORMATION: N is nucleatide A, C, U, or 3 and may or may not be present
- 200 K. DE FEATURE:
- 1901 du. 1 MAME FEY: rasc feature
- $1.12 \pm 0.11 + 1603A036N: \pm 130...59$
- 1: Fig. 1 OTHER INFORMATION: N is nublectible A, C, U, or G and may or may not be present
- . 05 M. . C. FEAT WE:
- . No C. 1 MAME REV: plsc feature
- $197 \times 1.17 + 1000AT15N: 193)...63.$
- . OF C. FroTHER INFORMATION: N is nucleatide A, C, U, or G
- . No garden FFATTEE:
- . 11 -C. . I MAME FEY: risc feature
- 12 4... 100ATION: :061...661
- .1. d. OHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- .11 H... PEATURE:
- . If a. l. NAME KEY: miso feature
- 107 c... FORATION: 6677...67711: C.L. WHEE INFORMATION: N is nuclectide A, C, U, or G and may or may not be present
- K. ICH PEATURE:
- . Il t. I. MAME, FEY: masc_feature
- ILE K. . . . h@CATION: (08)..:68.
- ... Brown of HEE INFORMATION: N is nucleatide A, C, U, or G and may or may not be present
- INTO CALMY FEATURES:
- .lé dulle NAME PEY: musc feature
- .. 7 C... BOCATION: (83)...(63)
- 118 Kills of THEE INFORMATION: H is nucleotide A, C, U, or G and may or may not be present
- HORSELDS PEATURE:
- . 1 <... Le MAME, FEY: musc_feature</pre>
- . We will be LOCATION: (1.6) ... 70.
- 1998 Kills THEF INFOFMATION: N is nucleotide A, C, U, or G and may or may not be present
- . To d. . OF FEATURE:
- .36 K. C. MAME, FEY: m.sc feature
- 1.57 1.11 | 10CATION: ("10...71)
- 198 C. Dat OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 246 % HOS FEATURE:
- 041 KIND DAME/FFY: masc feature
- 243 K. 250 (THEE INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- DAS SECTION PENTURE:
- .146 4. Žl; !AME, FEY: misc feature
- 247 < 127 + 10CATION: (73) ... (73)
- 248 < .250 OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present
- 250 <. 20≥ FEATURE:

DATE: 05/19/2003

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/646,651B TIME: 11:06:22

Input Set : A:\206579.seq.ST25.txt

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251 <2215 NAME/KEY: misc feature 151 KINDS LOCATION: (74)...:74) 100 KILLED OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present LAS HOUSE FEATURE: . Ed. H. 10: NAME, REY: musc feature The entry bocation: 176.7.175 $\mathbb{R}^{1,\infty} \times \mathbb{R}^{1,\infty} \in \mathbb{T}$ THEF INFOFMATION: N is nucleotide A, C, U, or G and may or may not be present THE COLUMN PEATURE: IV. 4...: LONATION: 006 ...:76 Market to the INFORMATION: N is nuclectide A, C, U, or G and may or may not be present LOS HALL OF FEATURE: .ce a..De NAME, FEY: masc_feature .67 \times .5 location: (77) ... (77)Go of the office HIEF HIEFMATION: N is nucleatede A, C, U, or G and may or may not be present The third FEATURE: . "1 1.110 DAME FEY: misc feature T. W. . . 1 100ATION: 4000...78 [7-3] OTHER INFORMATION: N is nucleatide A, G, U, or G and may ar may not be present TO HELDE PEATURE: 7. C. 1: LAME FEY: mose feature * a. .. b@:ATION: (86)... 35 134 N. OF STHEE INFOFMATION: N is nucleatide A, C, U, or G and may or may not be present FEATURE: *1 < : H MAME FEY: make feature i.e. c.i.e Locardon: (86)...(86). lar all about PHEF INFO+MATION: N is nucleotide A, C, U, or G and may or may not be present APPLICATION FEATURE: The Court NAME FEY: musc feature .:T 0...: 1600AT10N: (87)... 37 144 Course Office INFOFMATION: N is nucleotide A, C, U, or G and may or may not be present .. + O. PO FEATURE: . O RESIDENTAME REY: musc feature 4. 4.3.3 [@MATTON: 0888...38 or all the HER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present . * H. H. B. D. FEATURE: . Do 1.21 MAME FEV: musc feature 190 Kill & LOMATION: (Ma)...391 THE ROOM OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present HILL CORD FEATURE: +.1 <0.210 NAME MEY: musc feature +4. <.2.3 | 100tAT∃0H: (30+...90) $\pm 3 < 240$ of MEE, INFCFMATION: N is nucleotide A, C, U, or G and may or may not be present * 5 4 2 * FFATURE: THE KEY: musc feature 301 K. R. > LOMATION: (91)...(91)

*3- < 2>> OTHER INFORMATION: N is nucleotide A, C, U, or G and may or may not be present

-10 < 20> FEATURE:

511 < 21> NAME/KEY: misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/19/2003

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Input Set : A:\206579.seq.ST25.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 8,9,10,11,12,14,20,21,22,23,24,25,28,29,30,34,35,36,37,38,39
Seq#:2; N Pos. 45,48,55,56,57,58,59,63,66,67,68,69,70,71,72,73,74,75,76,77
Seq#:2; N Pos. 78,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2